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OXC 162
Copy 8 of 8

10 December 1959

MEMORANDUM FOR: Chief, Material Branch, DPD

SUBJECT: [REDACTED] Requirements

25X1A6a

REFERENCE: DPD 8251-59, dated 3 December 1959

Regarding requirements requested in reference, there follows answers to those questions which are felt to be the responsibility of this Branch to provide. The numbering follows that of reference. All figures and requirements are based on the assumption that all test, training and operational employment will be [REDACTED] 25X1A6a

1. Jet flights

- a. Average number of flights per month - 50. This is considered to be the peak number of sorties which will be flown when test, training and operations are being conducted simultaneously. This assumes the assignment of 12 aircraft.
- b. Number of planes to be billeted - 12. This does not take into account attrition of aircraft being away from the site for any reason. Any reduction in the number of aircraft to be operated will reduce all other factors by a proportional amount.
- c. Wheel loading, tire pressures, foot prints - LAC.
- d. Special jet blast problems (heat concentration and jet force affecting strip) - LAC.
- e. Type fuel and quantities required - Type fuel to be determined by LAC. Based on 12 aircraft flying 25 hours per month, sufficient fuel will be required for a maximum of 300 hours per month.

DOCUMENT NO. 63
NO CHANGE IN CLASS. X
CLASSIFIED
CLASS. CHANGED TO: TS S C 2012
NEXT REVIEW DATE:
AUTH: HR 702
DATE: 080101 REVIEWER: 010950

This document contains information
referring to Project OXCART

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1. Warm up pads- size, number required and special requirements for loading and vibration - LAC.

a. Are silencers required at warm up and test pads? - LAC.

b. Are silencers to be water cooled type? - LAC.

c. Requirements for parking area, taxi ways and tie downs - LAC.

d. What are requirements for test pads - location relative to hangar and size - LAC.

2. Support flights

a. Size and type of equipment - The aircraft which will be needed in support of this project will range from the F-104 (or similar type) through C-124's.

b. Average flights per month (various types) - Considering daily courier runs, training flights in the F-104 or similar type, T-33 training flights and miscellaneous support flights, estimate 200 landings and 200 take-offs per month.

c. Special requirements for parking and tie down facilities - There should be paved parking to accommodate four F-104's and two T-33's. Other conventional type support aircraft should have tie down facilities. In addition, tie down facilities should be available for two conventional type transient aircraft.

d. Type and quantity of fuel required - For anticipated training using the F-104's and T-33's, a monthly consumption of 75,000 gallons of JP-4 can be expected. A maximum of 5,000 gallons of 100 octane per month for U-3 and C-47 aircraft for those times when refueling elsewhere is not feasible. Ordinarily conventional aircraft will arrive [redacted] with sufficient fuel to reach another base.

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e. Number of support planes to be billeted

- (1) Four F-104's - training and chase
- (2) Two T-33's - Instrument training and administration
- (3) One C-54 (or C-130) - Cargo support and retrieve capability
- (4) One C-47 - West coast area cargo/personnel airlift
- (5) Two U-3's - Administrative

f. Special maintenance facilities - Hangar space, necessary equipment, and personnel should be available for daily and unscheduled maintenance of all support aircraft. This is presuming scheduled maintenance will be performed elsewhere. Hangar space and handling equipment is especially necessary for the F-104's.

3. Building Facilities

a. Office Requirements - Offices are required for the following Operations personnel. Other operations personnel will work in the areas required under paragraph f below.

- (1) Director of Operations
- (2) Deputy Director of Operations
- (3) Communications Chief
- (4) Physiologist
- (5) Intelligence Officer
- (6) Flight Surgeon
- (7) Weather Officer

With the exception of the base operations space listed in para f below, all offices listed in this paragraph and special rooms listed in para f should be in the same building. All space in this paragraph as well as paragraph M should be air conditioned.

b. Special laboratory or testing facilities for electronic equipment, etc. - Two rooms having a total of 400 square feet for maintenance of airborne radio and electronic gear. These rooms should be provided with a 115 volt 400 cycle 8 ampere power circuit and a 28 volt 15 ampere power circuit. For the Signal Center and radio room, two rooms totaling 200 square feet are required. Modification of the Signal Center to conform to Agency standards of security will be required.

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c. Special requirements for photo equipment - This item is referred to the Developments Branch. Consideration should be given to configuration storage and maintenance, as well as for film storage. Film storage space for thirty sorties should be provided.

d. Special maintenance facilities - Other than that required for maintenance of special flight gear, which is included in the personal equipment requirements listed in para f below, no other special equipment maintenance facilities are anticipated.

e. Fire Station - Crash fire equipment adequate to handle the above listed flying activity will be required. Structural fire equipment requirements are referred to the Materiel Branch.

f. Special Requirements for Operations Building - The following listed separate rooms will be required. Together with the office space listed in para a above these should all be housed in the same building.

- (1) Briefing room 20x30 feet
- (2) Flight planning room adjacent to the briefing room 20x30 feet
- (3) A dispensary room 15x20 feet adjacent to the Flight Surgeon's office
- (4) Prebreathing room 15x20 feet.
- (5) Two rooms 15x20 feet for storage and maintenance of both special and common flight equipment. These should be adjacent to the prebreathing room and the office of the Physiologist.
- (6) Crew dressing and shower room 12x15 feet. This room should be adjacent to the prebreathing and personal equipment room listed above and should include plumbing and wiring for automatic laundry equipment needed for washing flight gear.
- (7) A crew lounge 20x30 feet to be used by air crew personnel when not engaged in flying activity or preparation therefor, but who may, at the same time, be required to be immediately available. This is considered necessary to avoid having unoccupied crew members lounging around in the personal equipment, briefing or flight planning rooms.

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g. Handling and storage of special flight gear - This will be provided in the space requested in paras a and f above.

h. Wash Rack - Materiel.

4. Personnel Accommodation

a. BOQ or quarters - Space for a total of 38 Operations people which includes 18 drivers and 2 LAC pilots.

b. Recreation facilities - Adequate facilities for both indoor and outdoor recreation should be provided.

c. Laundry - Materiel.

SIGNED

STANLEY W. BEERLI
Colonel USAF
Chief, Operations Branch, DPD

CFQ:brm

1&2 - addres

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